

Title (en)

PROTEIN HYDROLYSATES AND METHOD OF MAKING

Title (de)

PROTEINHDROLYSATE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

HYDROLYSATS DE PROTEINES ET PROCEDE DE PRODUCTION

Publication

EP 1973429 A4 20090617 (EN)

Application

EP 07716433 A 20070104

Priority

- US 2007000420 W 20070104
- US 75645606 P 20060104

Abstract (en)

[origin: WO2007079458A2] Methods of making protein hydrolysates are described. The methods may include the steps of providing a solution comprising protein, and adjusting a pH of the solution to about 10.4 or more to form a basic protein solution. Additional steps may include adding a protease enzyme to the basic protein solution that converts at least a portion of the protein to protein hydrolysates. Protein hydrolysate compositions and water-soluble food additives are also described. The additives may include a mixture of protein hydrolysates formed by protein hydrolysis of a protein substrate. The protein hydrolysates may have an average molecular weight of about 2000 to about 10,000 Daltons.

IPC 8 full level

A23J 3/34 (2006.01); **A23L 1/305** (2006.01); **A23L 13/00** (2016.01); **C12P 21/06** (2006.01)

CPC (source: EP KR US)

A23G 1/44 (2013.01 - EP US); **A23G 3/44** (2013.01 - EP US); **A23G 9/38** (2013.01 - EP US); **A23J 3/34** (2013.01 - EP US);
A23L 33/18 (2016.07 - EP US); **C07K 1/00** (2013.01 - KR); **C12P 21/06** (2013.01 - EP KR US); **Y10S 530/832** (2013.01 - EP US);
Y10S 530/833 (2013.01 - EP US)

Citation (search report)

- [X] EP 0065663 A1 19821201 - MILES LAB [US]
- [X] US 4482574 A 19841113 - LEE CHANG R [US]
- [X] WO 2005089565 A1 20050929 - FUJI OIL CO LTD [JP], et al
- [X] WO 9304593 A1 19930318 - TEAGASC AGRIC FOOD DEV AUTHORI [IE]
- [X] KUMAR R ET AL: "Enzymatically modified Soy Protein: Part I. Thermal behaviour", JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, KLUWER ACADEMIC PUBLISHERS, DO, vol. 75, no. 3, 1 March 2004 (2004-03-01), pages 727 - 738, XP019254935, ISSN: 1572-8943
- See references of WO 2007079458A2

Cited by

CN107136295A; CH714189A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007079458 A2 20070712; WO 2007079458 A3 20080214; AR 058918 A1 20080305; AU 2007203745 A1 20070712;
AU 2007203745 B2 20110804; CA 2635923 A1 20070712; CA 2635923 C 20130423; CN 101389229 A 20090318; CN 101389229 B 20140917;
DK 1973429 T3 20131028; EP 1973429 A2 20081001; EP 1973429 A4 20090617; EP 1973429 B1 20130821; HK 1122196 A1 20090515;
JP 2009521955 A 20090611; JP 2012254094 A 20121227; JP 5628479 B2 20141119; KR 101452756 B1 20141022;
KR 20080099259 A 20081112; NZ 569603 A 20110826; US 2007172579 A1 20070726; US 8101377 B2 20120124

DOCDB simple family (application)

US 2007000420 W 20070104; AR P070100040 A 20070104; AU 2007203745 A 20070104; CA 2635923 A 20070104;
CN 200780006451 A 20070104; DK 07716433 T 20070104; EP 07716433 A 20070104; HK 09102560 A 20090318; JP 2008549596 A 20070104;
JP 2012188527 A 20120829; KR 20087019149 A 20070104; NZ 56960307 A 20070104; US 61995707 A 20070104